

Trade name: Hartwachs BMP**Product no.:** 2999**Current version :** 1.0.1, issued: 26.06.2020**Replaced version:** 1.0.0, issued: 15.06.2020**Region:** IE**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****Hartwachs BMP****1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

car care product

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

+353 1 809 2166 (National Poisons Information Centre)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Asp. Tox. 1; H304

Flam. Liq. 2; H225

STOT SE 3; H336

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS02



GHS07



GHS08



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statement(s)

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H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P370+P378 In case of fire: Use water spray, extinguishing powder, foam or CO2 to extinguish.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

PBT assessment

The components of this product are not considered to be a PBT.

vPvB assessment

The components of this product are not considered to be a vPvB.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable. The product is not a substance.

3.2 Mixtures**Hazardous ingredients**

| No | Substance name | Additional information | |
|----|--|-------------------------------------|-----------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | | |
| | - | Asp. Tox. 1; H304 | < 100,00 |
| | 920-750-0 | Aquatic Chronic 2; H411 | |
| | - | Flam. Liq. 2; H225 | |
| | 01-2119473851-33 | STOT SE 3; H336 | |
| | | | %-b.w. |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get medical attention if pain still persists.

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After ingestion

Do not induce vomiting - aspiration hazard. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Effects

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Foam; Carbon dioxide; Dry chemical extinguisher

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear full protective suit. Run-off water from fire fighting must not be discharged into drains or enter surface water. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Keep away from ignition sources.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

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Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Have emergency shower available. Provide eye wash fountain in work area.

Advice on protection against fire and explosion

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****DNEL, DMEL and PNEC values****DNEL values (worker)**

| No | Substance name | | | CAS / EC no | |
|----|---|---------------------|----------|-------------|-------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | | | - | |
| | dermal | Long term (chronic) | systemic | 773 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 2035 | mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no | |
|----|---|---------------------|----------|-------------|-------------------|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | | | - | |
| | oral | Long term (chronic) | systemic | 699 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 699 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 608 | mg/m ³ |

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Filter A or environment-independent breathing apparatus.

Eye / face protection

Safety glasses with side protection shield (EN 166)

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Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

| | | | |
|----------------------|---------|-----|-----|
| Appropriate Material | nitrile | | |
| Material thickness | > | 0,4 | mm |
| Breakthrough time | > | 480 | min |

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|--|----------|
| Form/Colour | |
| liquid | |
| white; cloudy | |
| Odour | |
| No data available | |
| Odour threshold | |
| No data available | |
| pH value | |
| No data available | |
| Boiling point / boiling range | |
| Value | > 100 °C |
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| Value | 1 °C |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |

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| | |
|---|-------------------------|
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| Value | 0,738 g/cm ³ |
| Reference temperature | 20 °C |
| Solubility in water | |
| No data available | |
| Solubility(ies) | |
| No data available | |
| Partition coefficient: n-octanol/water | |
| No data available | |
| Viscosity | |
| Value | < 7 mm ² /s |
| Type | kinematic |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Static discharges.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

| | | | |
|------------------------------|---|----------------|------------------|
| Acute oral toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| LD50 | > | 5840 | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |
| Acute dermal toxicity | | | |

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| No | Substance name | CAS no. | EC no. |
|---------|---|---------|------------------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| LD50 | > 2800 - 3100 | | mg/kg bodyweight |
| Species | rat | | |
| Source | ECHA | | |

| Acute inhalational toxicity | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| LC50 | > | 23,3 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | Vapour | | |
| Species | rat | | |
| Source | ECHA | | |

| Skin corrosion/irritation | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |

| Serious eye damage/irritation | | | |
|-------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Species | rabbit | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |

| Respiratory or skin sensitisation | | | |
|-----------------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Source | ECHA | | |
| Evaluation | non-sensitizing | | |

| Germ cell mutagenicity | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Reproduction toxicity | | | |
|---------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Carcinogenicity | | | |
|-------------------|--|--|--|
| No data available | | | |

| STOT - single exposure | | | |
|------------------------|--|--|--|
| | | | |

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No data available

STOT - repeated exposure

| No | Substance name | CAS no. | EC no. |
|---------------------------|---|---|-----------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Route of exposure | | inhalational | |
| Species | | rat | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

Aspiration hazard

No data available

SECTION 12: Ecological information**12.1 Toxicity****Toxicity to fish (acute)**

| No | Substance name | CAS no. | EC no. |
|----------------------|---|---------|-----------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| LL50 | | 3 | - 10 |
| Duration of exposure | | | 96 mg/l h |
| Species | Oncorhynchus mykiss | | |
| Method | OECD 203 | | |
| Source | ECHA | | |

Toxicity to fish (chronic)

| No | Substance name | CAS no. | EC no. |
|----------------------|---|---------|----------------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| NOELR | | | 0,57 |
| Duration of exposure | | | 28 mg/l day(s) |
| Species | Oncorhynchus mykiss | | |
| Method | (Q)SAR | | |
| Source | ECHA | | |

Toxicity to Daphnia (acute)

| No | Substance name | CAS no. | EC no. |
|----------------------|---|---------|-----------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| EL50 | | 4,6 | - 10 |
| Duration of exposure | | | 48 mg/l h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |

Toxicity to Daphnia (chronic)

| No | Substance name | CAS no. | EC no. |
|----------------------|---|---------|----------------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| NOELR | | 1 | - 1,6 |
| Duration of exposure | | | 21 mg/l day(s) |
| Species | Daphnia magna | | |
| Method | OECD 211 | | |
| Source | ECHA | | |

Toxicity to algae (acute)

| No | Substance name | CAS no. | EC no. |
|----|---|---------|-----------|
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |

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| cyclics | | | |
|----------------------|---------------------------------|------|------|
| EL50 | 10 | - 30 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

| Toxicity to algae (chronic) | | | |
|-----------------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| NOELR | | 6,3 | mg/l |
| Duration of exposure | | 3 | day(s) |
| Species | Pseudokirchneriella subcapitata | | |
| Method | OECD 201 | | |
| Source | ECHA | | |

| Bacteria toxicity | |
|-------------------|--|
| No data available | |

12.2 Persistence and degradability

| Biodegradability | | | |
|------------------|---|---------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics | - | 920-750-0 |
| Type | aerobic biodegradation | | |
| Value | | 98 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 F | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|---|
| PBT assessment | The components of this product are not considered to be a PBT. |
| vPvB assessment | The components of this product are not considered to be a vPvB. |

12.6 Other adverse effects

No data available.

12.7 Other information

| Other information | |
|---|--|
| Do not discharge into the drains or waters and do not store on public depositories. | |

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the

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regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

| | |
|--|---|
| Class | 3 |
| Classification code | F1 |
| Packing group | II |
| Hazard identification no. | 33 |
| UN number | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Technical name | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics |
| Special Provision 640 | 640D |
| Tunnel restriction code | D/E |
| Label | 3 |
| Environmentally hazardous substance mark | Symbol "fish and tree" |

14.2 Transport IMDG

| | |
|-----------------------|---|
| Class | 3 |
| Packing group | II |
| UN number | UN1993 |
| Proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Technical name | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics |
| EmS | F-E, S-E |
| Label | 3 |
| Marine pollutant mark | Symbol "fish and tree" |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|---|
| Class | 3 |
| Packing group | II |
| UN number | UN1993 |
| Proper shipping name | Flammable liquid, n.o.s. |
| Technical name | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics |
| Label | 3 |

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

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According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

| | |
|---|----------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII. | No 3, 40 |
|---|----------|

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

| | |
|---|---------|
| This product is subject to Part I of Annex I, risk category: | E2, P5b |
| If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply. | |

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.
Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Department issuing safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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Prod-ID 763555